



Name _____ Date _____

Adding Integers (pages 441–444)

You can use a number line to add integers.

Adding Integers	<p>To find the sum of $5 + (-7)$, follow these steps.</p> <ul style="list-style-type: none"> • Start at zero on the number line. • Go 5 in the positive direction (right). • From that point, go 7 in the negative direction (left). • The point where you end (-2) is the sum.
------------------------	---

EXAMPLES

- A** Is this sum positive, negative, or zero?
 $-3 + 5$

Which integer is farther from zero? $+5$. The sum will have the same sign as the integer that is farther from zero. The sum of $-3 + 5$ is positive.

- B** Find the sum of $-4 + (-3)$.

Start at zero on the number line. Go 4 in the negative direction. From that point, go 3 more in the negative direction. You end at the point -7 . The sum of $-4 + (-3)$ is -7 .

Try These Together

1. Is $8 + (-10)$ positive, negative, or zero?

HINT: Which integer is farther from zero?

2. Find the sum of $-12 + 13$.

HINT: Use a number line.

PRACTICE

State whether each sum is positive, negative, or zero.

3. $2 + 4$ 4. $5 + (-10)$ 5. $-8 + (-2)$ 6. $-3 + (-3)$
7. $-1 + 5$ 8. $-4 + (-4)$ 9. $5 + (-3)$ 10. $6 + (-6)$

Find each sum.

11. $-8 + 16$ 12. $15 + (-5)$ 13. $4 + (-3)$ 14. $-7 + 5$
15. $3 + (-5)$ 16. $-2 + (-2)$ 17. $-6 + 3$ 18. $8 + (-4)$

19. What is 2 plus -4 plus -3 ?

20. Find the sum of -14 and 22.

21. **Football** In a football game, team A was on the 50 yard line. Then they lost 7 yards on the next play. What yard line are they on now?



22. **Standardized Test Practice** What is the sum of -8 , 4, and -2 ?

A -6

B -8

C 4

D 2

Answers: 1. negative 2. 1 3. positive 4. negative 5. negative 6. negative 7. positive 8. negative 9. positive 10. zero 11. 8 12. 10 13. 1 14. -2 15. -2 16. -4 17. -3 18. 4 19. -5 20. 8 21. 43 yard line 22. A